

50902

From: Walicka, Malgorzata  
Sent: Friday, September 14, 2001 11:55 AM  
To: STIC-Biotech/ChemLib

Please search for the following amino acid sequences of the application NO. 09/471669, the earliest priority date 12/3/1998:

SEQ ID NO:2

43 v.  
58  
65  
66 v  
67 v  
69 v  
74  
75

add and 42  
56 71  
57 74  
58 75  
60  
68  
70

July 4, 2002

SEQ ID NO: 1

CRFE

and short polypeptides of SEQ ID NO: 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, and 96.

Thank you so much.

Malgorzata Walicka  
tel. 305 7270  
Rm 10D06, mail box 10C01

CRFE

Edward Hart  
Technical Info Specialist  
STIC / Biotech  
CM1 12C14 Tel: 305-9203

what is your  
Art Unit

08/844, 419

308 1235

# SEARCH REQUEST FORM

Scientific and Technical Information Center

Access DB#

50902

Requester's Full Name: \_\_\_\_\_ Examiner #: \_\_\_\_\_ Date: \_\_\_\_\_  
 Art Unit: \_\_\_\_\_ Phone Number 30 \_\_\_\_\_ Serial Number: \_\_\_\_\_  
 Mail Box and Bldg/Room Location: \_\_\_\_\_ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

## STAFF USE ONLY

### Type of Search

### Vendors and cost where applicable

Searcher: _____	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) <u>24</u>	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbi: _____
Date Searcher Picked Up: <u>9/14/01</u>	Bibliographic _____	Dr.Link _____
Date Completed: <u>9/14/01</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems <u>02</u>
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: _____	Other _____	Other (specify) _____

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Db 61 VEVNDLNRKSGGYVEMTVGSPQTLNIVDTSSNFAGAPRPHFRRYQQLST 120
Qy 121 YRLRKGYYVPTQCKWEGELGDLVSIHRCNVTVRANIAITESKFFINGSMEGIL 180
Db 121 YRLRKGYYVPTQCKWEGELGDLVSIHRCNVTVRANIAITESKFFINGSMEGIL 180
Qy 181 GLAYAEIARPPDLSLEPFDSLVKQTHVPLNLSLQCGAPFLNOSVLA SVGSMITIGI 240
Db 181 GLAYAEIARPPDLSLEPFDSLVKQTHVPLNLSLQCGAPFLNOSVLA SVGSMITIGI 240
Qy 241 DHSLYTGLSWTPIRREMYEVIIVREINQODLKMCKEYNDKSIYDSGTNLRPK 300
Db 241 DHSLYTGLSWTPIRREMYEVIIVREINQODLKMCKEYNDKSIYDSGTNLRPK 300
Qy 301 VFEAAVKSITKASTKSTKPFDPGFMGLGOLVCMQAGTTPNNIFPVSILYLMGEVTVNSFRIT 360
Db 301 VFEAAVKSITKASTKSTKPFDPGFMGLGOLVCMQAGTTPNNIFPVSILYLMGEVTVNSFRIT 360
Qy 361 ILPOQYLRPEVDVATSDQDCYKFAISQSTGTVMGAVIMEGFYVFPDRARRIGFVAVSAC 420
Db 361 ILPOQYLRPEVDVATSDQDCYKFAISQSTGTVMGAVIMEGFYVFPDRARRIGFVAVSAC 420
Qy 421 HVHDEFRTAAVEGPFVTLDMEDCGYNIPQTESTLMTIAYVMAICALFMLPLCLMVCOW 480
Db 421 HVHDEFRTAAVEGPFVTLDMEDCGYNIPQTESTLMTIAYVMAICALFMLPLCLMVCOW 480
Qy 481 RCLRCLROOHDFADISLKL 501
Db 481 RCLRCLROOHDFADISLKL 501

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RESULT 4
US-09-454-744A-2
: Sequence 2, Application US/09454744A
: GENERAL INFORMATION:
: APPLICANT: David J. Powell
: APPLICANT: Conrad G. Chapman
: APPLICANT: Kay Murphy
: APPLICANT: Trudi S. Smith
: TITLE OF INVENTION: ASP2
: FILE REFERENCE: GH-70368-1
: CURRENT APPLICATION NUMBER: US/09/454,744A
: PRIOR FILING DATE: 1999-12-06
: PRIOR APPLICATION NUMBER: US/09/009,191
: PRIOR FILING DATE: 1998-01-20
: PRIOR APPLICATION NUMBER: UK 9701684.4
: PRIOR FILING DATE: 1997-01-28
: NUMBER OF SEQ ID NOS: 6
: SOFTWARE: FASTSeq for Windows Version 3.0
: SEQ ID NO 2
: LENGTH: 501
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-454-744A-2

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Query Match 100.0%; Score 2661; DB 5; Length 501;
Best Local Similarity 100.0%; Pred. No. 1,4e-238;
Matches 501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MAQALPMLLMNGAGVLPAGHGTGIRLPLRSGLGAPLGLRLPRETDEPEEPRGRSGF 60
Db 1 MAQALPMLLMNGAGVLPAGHGTGIRLPLRSGLGAPLGLRLPRETDEPEEPRGRSGF 60
Qy 61 VEVNDLNRKSGGYVEMTVGSPQTLNIVDTSSNFAGAPRPHFRRYQQLST 120
Db 61 VEVNDLNRKSGGYVEMTVGSPQTLNIVDTSSNFAGAPRPHFRRYQQLST 120
Qy 121 YRLRKGYYVPTQCKWEGELGDLVSIHRCNVTVRANIAITESKFFINGSMEGIL 180
Db 121 YRLRKGYYVPTQCKWEGELGDLVSIHRCNVTVRANIAITESKFFINGSMEGIL 180
Qy 181 GLAYAEIARPPDLSLEPFDSLVKQTHVPLNLSLQCGAPFLNOSVLA SVGSMITIGI 240
Db 181 GLAYAEIARPPDLSLEPFDSLVKQTHVPLNLSLQCGAPFLNOSVLA SVGSMITIGI 240

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Qy 181 GLAYAEIARPPDLSLEPFDSLVKQTHVPLNLSLQCGAPFLNOSVLA SVGSMITIGI 240
Db 181 GLAYAEIARPPDLSLEPFDSLVKQTHVPLNLSLQCGAPFLNOSVLA SVGSMITIGI 240
Qy 241 DHSLYTGLSWTPIRREMYEVIIVREINQODLKMCKEYNDKSIYDSGTNLRPK 300
Db 241 DHSLYTGLSWTPIRREMYEVIIVREINQODLKMCKEYNDKSIYDSGTNLRPK 300
Qy 301 VFEAAVKSITKASTKSTKPFDPGFMGLGOLVCMQAGTTPNNIFPVSILYLMGEVTVNSFRIT 360
Db 301 VFEAAVKSITKASTKSTKPFDPGFMGLGOLVCMQAGTTPNNIFPVSILYLMGEVTVNSFRIT 360
Qy 361 ILPOQYLRPEVDVATSDQDCYKFAISQSTGTVMGAVIMEGFYVFPDRARRIGFVAVSAC 420
Db 361 ILPOQYLRPEVDVATSDQDCYKFAISQSTGTVMGAVIMEGFYVFPDRARRIGFVAVSAC 420
Qy 421 HVHDEFRTAAVEGPFVTLDMEDCGYNIPQTESTLMTIAYVMAICALFMLPLCLMVCOW 480
Db 421 HVHDEFRTAAVEGPFVTLDMEDCGYNIPQTESTLMTIAYVMAICALFMLPLCLMVCOW 480
Qy 481 RCLRCLROOHDFADISLKL 501
Db 481 RCLRCLROOHDFADISLKL 501

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RESULT 5
US-09-869-414-4
: Sequence 4, Application US/09869414
: GENERAL INFORMATION:
: APPLICANT: Belkowsky et al.
: TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR, AND US
: FILE REFERENCE: 28341/62804
: CURRENT APPLICATION NUMBER: US/09/869,414
: PRIOR FILING DATE: 2001-06-27
: PRIOR APPLICATION NUMBER: 09/416,901
: PRIOR FILING DATE: 1999-10-13
: PRIOR APPLICATION NUMBER: 60/155,493
: PRIOR FILING DATE: 1999-09-23
: PRIOR APPLICATION NUMBER: 09/404,133
: PRIOR FILING DATE: 1999-09-23
: PRIOR APPLICATION NUMBER: PCT/US99/20881
: PRIOR FILING DATE: 1999-09-23
: PRIOR APPLICATION NUMBER: 60/101,594
: PRIOR FILING DATE: 1998-09-24
: NUMBER OF SEQ ID NOS: 73
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 4
: LENGTH: 501
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-869-414-4

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Query Match 99.8%; Score 2656; DB 5; Length 501;
Best Local Similarity 99.8%; Pred. No. 4e-238;
Matches 500; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 MAQALPMLLMNGAGVLPAGHGTGIRLPLRSGLGAPLGLRLPRETDEPEEPRGRSGF 60
Db 1 MAQALPMLLMNGAGVLPAGHGTGIRLPLRSGLGAPLGLRLPRETDEPEEPRGRSGF 60
Qy 61 VEVNDLNRKSGGYVEMTVGSPQTLNIVDTSSNFAGAPRPHFRRYQQLST 120
Db 61 VEVNDLNRKSGGYVEMTVGSPQTLNIVDTSSNFAGAPRPHFRRYQQLST 120
Qy 121 YRLRKGYYVPTQCKWEGELGDLVSIHRCNVTVRANIAITESKFFINGSMEGIL 180
Db 121 YRLRKGYYVPTQCKWEGELGDLVSIHRCNVTVRANIAITESKFFINGSMEGIL 180
Qy 181 GLAYAEIARPPDLSLEPFDSLVKQTHVPLNLSLQCGAPFLNOSVLA SVGSMITIGI 240
Db 181 GLAYAEIARPPDLSLEPFDSLVKQTHVPLNLSLQCGAPFLNOSVLA SVGSMITIGI 240

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QY 1 MAPALHMLLVGSGMLPAQCTHGLRPLRSLGAGPLGLRLPRETDESEEPGRGSF 60  
 DB 1 MAQALPMLLVGAGVLPAGHGTGIRPLRSLGAGPLGLRLPRETDESEEPGRGSF 60  
 QY 61 VEMVDNLRGKSGGYVEMTVGSPQTLNLLVDTGSSNFAGAAPHPFLHRYQRLSST 120  
 DB 61 VEMVDNLRGKSGGYVEMTVGSPQTLNLLVDTGSSNFAGAAPHPFLHRYQRLSST 120  
 QY 121 YRDLRKGYVYPTGKMGELGTDLVSIHPGNVTVRANIAITESDKFFINGSNMEGIL 180  
 DB 121 YRDLRKGYVYPTGKMGELGTDLVSIHPGNVTVRANIAITESDKFFINGSNMEGIL 180  
 QY 181 GLAAEIAARPDSLEPPFDSLVKQTHIPNIFSLQCGAGFPLNTEALASGSGMIIGI 240  
 DB 181 GLAAEIAARPDSLEPPFDSLVKQTHIPNIFSLQCGAGFPLNTEALASGSGMIIGI 240  
 QY 241 DSHLYTGSMTYPIRREMYEVIIIVREINGODLKMCKEYNYDKSIYDSGTTNLRPK 300  
 DB 241 DSHLYTGSMTYPIRREMYEVIIIVREINGODLKMCKEYNYDKSIYDSGTTNLRPK 300  
 QY 301 VFEAAVKSIRKAASSTKPPDGFMLGEOLVCWQAGTTPNNIFPVISLYLMGEVYNSFRIT 360  
 DB 301 VFEAAVKSIRKAASSTKPPDGFMLGEOLVCWQAGTTPNNIFPVISLYLMGEVYNSFRIT 360  
 QY 361 ILPOOYLPRVEDVATSDODCKEFAVSOSTGTVMGAVIMEGYVYFDRARRRIGFAVSAC 420  
 DB 361 ILPOOYLPRVEDVATSDODCKEFAVSOSTGTVMGAVIMEGYVYFDRARRRIGFAVSAC 420  
 QY 421 HVHDEFRTAAVEGPFVTADEMDCGYNIPOQDESTLMTIAYVAAICALEFMLPLCLMVCOW 480  
 DB 421 HVHDEFRTAAVEGPFVTADEMDCGYNIPOQDESTLMTIAYVAAICALEFMLPLCLMVCOW 480  
 QY 481 RCLRLRHQHDHFDGDISLKL 501  
 DB 481 RCLRLRHQHDHFDGDISLKL 501

## RESULT 8

US-09-454-744A-2  
 : Sequence 2, Application US/09454744A  
 : GENERAL INFORMATION:  
 : APPLICANT: David J. Powell  
 : APPLICANT: Conrad G. Chapman  
 : APPLICANT: Kay Murphy  
 : APPLICANT: Tandi S. Smith  
 : TITLE OF INVENTION: ASP2  
 : FILE REFERENCE: GH-70368-1  
 : CURRENT APPLICATION NUMBER: US/09/454,744A  
 : CURRENT FILING DATE: 1999-12-06  
 : PRIOR APPLICATION NUMBER: US 09/009,191  
 : PRIOR FILING DATE: 1998-01-20  
 : PRIOR APPLICATION NUMBER: UK 9701684.4  
 : PRIOR FILING DATE: 1997-01-28  
 : NUMBER OF SEQ ID NOS: 6  
 : SOFTWARE: FastSeq for Windows Version 3.0  
 : SEQ ID NO 2  
 : LENGTH: 501  
 : TYPE: PRT  
 : ORGANISM: HOMO SAPIENS  
 : US-09-454-744A-2

Query Match 96.4%; Score 2568; DB 5; Length 501;  
 Best Local Similarity 96.2%; Pred. No. 2.9e-230;

Matches 482; Conservative 7; Mismatches 12; Indels 0; Gaps 0;

QY 1 MAPALHMLLVGSGMLPAQCTHGLRPLRSLGAGPLGLRLPRETDESEEPGRGSF 60  
 DB 1 MAQALPMLLVGAGVLPAGHGTGIRPLRSLGAGPLGLRLPRETDESEEPGRGSF 60  
 QY 61 VEMVDNLRGKSGGYVEMTVGSPQTLNLLVDTGSSNFAGAAPHPFLHRYQRLSST 120  
 DB 61 VEMVDNLRGKSGGYVEMTVGSPQTLNLLVDTGSSNFAGAAPHPFLHRYQRLSST 120

DB 61 VEMVDNLRGKSGGYVEMTVGSPQTLNLLVDTGSSNFAGAAPHPFLHRYQRLSST 120  
 QY 121 YRDLRKGYVYPTGKMGELGTDLVSIHPGNVTVRANIAITESDKFFINGSNMEGIL 180  
 DB 121 YRDLRKGYVYPTGKMGELGTDLVSIHPGNVTVRANIAITESDKFFINGSNMEGIL 180  
 QY 181 GLAAEIAARPDSLEPPFDSLVKQTHIPNIFSLQCGAGFPLNTEALASGSGMIIGI 240  
 DB 181 GLAAEIAARPDSLEPPFDSLVKQTHIPNIFSLQCGAGFPLNTEALASGSGMIIGI 240  
 QY 241 DSHLYTGSMTYPIRREMYEVIIIVREINGODLKMCKEYNYDKSIYDSGTTNLRPK 300  
 DB 241 DSHLYTGSMTYPIRREMYEVIIIVREINGODLKMCKEYNYDKSIYDSGTTNLRPK 300  
 QY 301 VFEAAVKSIRKAASSTKPPDGFMLGEOLVCWQAGTTPNNIFPVISLYLMGEVYNSFRIT 360  
 DB 301 VFEAAVKSIRKAASSTKPPDGFMLGEOLVCWQAGTTPNNIFPVISLYLMGEVYNSFRIT 360  
 QY 361 ILPOOYLPRVEDVATSDODCKEFAVSOSTGTVMGAVIMEGYVYFDRARRRIGFAVSAC 420  
 DB 361 ILPOOYLPRVEDVATSDODCKEFAVSOSTGTVMGAVIMEGYVYFDRARRRIGFAVSAC 420  
 QY 421 HVHDEFRTAAVEGPFVTADEMDCGYNIPOQDESTLMTIAYVAAICALEFMLPLCLMVCOW 480  
 DB 421 HVHDEFRTAAVEGPFVTADEMDCGYNIPOQDESTLMTIAYVAAICALEFMLPLCLMVCOW 480  
 QY 481 RCLRLRHQHDHFDGDISLKL 501  
 DB 481 RCLRLRHQHDHFDGDISLKL 501

## RESULT 9

US-09-869-414-4  
 : Sequence 4, Application US/09869414  
 : GENERAL INFORMATION:  
 : APPLICANT: Belkowsky et al.  
 : TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR, AND US  
 : TITLE OF INVENTION: THEREFOR  
 : FILE REFERENCE: 28341/6280M  
 : CURRENT APPLICATION NUMBER: US/09/869,414  
 : CURRENT FILING DATE: 2001-06-27  
 : PRIOR APPLICATION NUMBER: 09/416,901  
 : PRIOR FILING DATE: 1999-10-13  
 : PRIOR APPLICATION NUMBER: 60/7155,493  
 : PRIOR FILING DATE: 1999-09-23  
 : PRIOR APPLICATION NUMBER: 09/404,133  
 : PRIOR FILING DATE: 1999-09-23  
 : PRIOR APPLICATION NUMBER: PCT/US99/20881  
 : PRIOR FILING DATE: 1999-09-23  
 : PRIOR APPLICATION NUMBER: 60/101,594  
 : PRIOR FILING DATE: 1998-09-24  
 : NUMBER OF SEQ ID NOS: 73  
 : SOFTWARE: PatentIn Ver. 2.0  
 : SEQ ID NO 4  
 : LENGTH: 501  
 : TYPE: PRT  
 : ORGANISM: Homo sapiens  
 : US-09-869-414-4

Query Match 96.2%; Score 2563; DB 5; Length 501;  
 Best Local Similarity 96.0%; Pred. No. 8.3e-230;

Matches 481; Conservative 7; Mismatches 13; Indels 0; Gaps 0;

QY 1 MAPALHMLLVGSGMLPAQCTHGLRPLRSLGAGPLGLRLPRETDESEEPGRGSF 60  
 DB 1 MAQALPMLLVGAGVLPAGHGTGIRPLRSLGAGPLGLRLPRETDESEEPGRGSF 60  
 QY 61 VEMVDNLRGKSGGYVEMTVGSPQTLNLLVDTGSSNFAGAAPHPFLHRYQRLSST 120  
 DB 61 VEMVDNLRGKSGGYVEMTVGSPQTLNLLVDTGSSNFAGAAPHPFLHRYQRLSST 120  
 QY 121 YRDLRKGYVYPTGKMGELGTDLVSIHPGNVTVRANIAITESDKFFINGSNMEGIL 180  
 DB 121 YRDLRKGYVYPTGKMGELGTDLVSIHPGNVTVRANIAITESDKFFINGSNMEGIL 180